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C08L 25/08(21) Application number: **10036080**(22) Date of filing: **18.02.98**(71) Applicant: **HITACHI CHEM CO LTD**(72) Inventor: **OKAMURA KAZUKI**
KATO TETSUYA**(54) EXPANDABLE STYRENE-BASED RESIN
PARTICLE AND ITS PREPARATION****(57) Abstract:**

PROBLEM TO BE SOLVED: To obtain an expandable styrene-based resin particle having excellent expansability at low temperatures and to provide a method of preparing the same.

SOLUTION: An expandable styrene-based resin particle is prepared from a styrene-based resin particle with an

average particle diameter of 0.2-1.2 mm and a weight average molecular weight of 1,50, 000-500,000 at a foam initiating temperature of 50-70°C and a maximum foaming temperature of 80-110°C and contains 3-10 wt.% of a blowing agent based on an aliphatic hydrocarbon of 5 or fewer carbons having a side chain. The styrene-based resin particle is preferably a styrene-based polymer or a copolymer of styrene, an acrylate and/or a methacrylate.

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